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'''OUEST 1: A school has following rules for grading system:
            a. Below 25 - F
            b. 25 to 45 - E
            c. 45 to 50 - D
            d. 50 to 60 - C
            e. 60 to 80 - B
            f. Above 80 - A
            Ask user to enter marks and print the corresponding
grade.'''
marks = int(input("Enter your marks here: "))
if marks > 80:
    print("Your grade is A")
elif 60 < marks <= 80 :
    print("Your grade is B")
elif 50 < marks <= 60 :
    print("Your grade is C")
elif 45 < marks <= 50 :
    print("Your grade is D")
elif 25 < marks <= 45 :
    print("Your grade is E")
elif marks <= 25 :</pre>
    print("Your grade is F")
Enter your marks here: 100
Your grade is A
'''QUEST 2: A year is a leap year if it is divisible by 4, except that
years divisible by 100 are not leap years
            unless they are also divisible by 400. Write a program
that asks the user for a year and prints out
            whether it is a leap year or not.'''
Year = int(input("Enter the year: "))
while Year % 100 == 0 :
    if Year % 400 == 0 :
        print("It is a Leap year.")
    else:
        print("It is not a leap year.")
else:
    if Year % 4 == 0 :
        print("It is a Leap year.")
    else:
        print("It is not a leap year.")
Enter the year: 1800
It is not a leap year.
```

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'''OUEST 3: Write a multiplication game program for kids. The program
should give the player ten randomly generated
           multiplication questions to do. After each, the program
should tell them whether they got it right or
            wrong and what the correct answer is.'''
print("Hello and Welcome to the Multiplication Game!.")
print("In This Game, you would be asked to solve 10 multiplicative
questions based on your game level.")
print("Level 1: Numbers upto 20.", "\nLevel 2: Numbers upto 50.", "\
nLevel 3: Numbers upto 100.")
print()
Level = int(input("Select the game level(Enter 1/2/3 only): "))
print()
if Level == 1:
   1 = 20
if Level == 2:
   1 = 50
if Level == 3:
    l = 100
score = 0
import random
for i in range (1,11):
    n 1 = random.randint(0,l)
    n 2 = random.randint(0,1)
    print("Question", i,": Solve", n 1, "x", n 2, "=")
    ans = int(input("Enter your answer:"))
    if n 1 * n 2 == ans :
        print("Right!")
        score += 1
        print()
    else :
        print("Wrong!! The correct answer is", n 1 * n 2)
        print()
print("Your Score is:", score)
print("THANK YOU FOR PLAYING!")
Hello and Welcome to the Multiplication Game!.
In This Game, you would be asked to solve 10 multiplicative questions
based on your game level.
Level 1: Numbers upto 20.
Level 2: Numbers upto 50.
Level 3: Numbers upto 100.
```

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Select the game level(Enter 1/2/3 only): 2
Question 1 : Solve 9 \times 44 =
Enter your answer:396
Right!
Question 2 : Solve 45 \times 47 =
Enter your answer:69
Wrong!! The correct answer is 2115
Question 3 : Solve 11 \times 10 =
Enter your answer:110
Right!
Question 4 : Solve 29 \times 0 =
Enter your answer:0
Right!
Question 5 : Solve 49 \times 22 =
Enter your answer:69
Wrong!! The correct answer is 1078
Ouestion 6 : Solve 2 \times 8 =
Enter your answer:16
Right!
Ouestion 7 : Solve 15 \times 16 =
Enter your answer:240
Right!
Ouestion 8 : Solve 46 \times 37 =
Enter your answer:69
Wrong!! The correct answer is 1702
Ouestion 9 : Solve 2 \times 45 =
Enter your answer:69
Wrong!! The correct answer is 90
Question 10 : Solve 0 \times 40 =
Enter vour answer:69
Wrong!! The correct answer is 0
Your Score is: 5
THANK YOU FOR PLAYING!
```

'''QUEST\_4: A jar of Halloween candy contains an unknown amount of candy and if you can guess exactly how much candy is in the bowl then you win all the candy. You ask the person in charge the following: If the candy is divided evenly

print("Total number of candies in the bowl are", tot\_candies)

Total number of candies in the bowl are 177

7 == 2 :